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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Børre Bengt Ulrichsen, Jon Henrik Tschudi and Ib-Rune Johansen

National Phase in USA
of PCT/IB00/00301International Filing Date:
March 20, 2000

For: INSPECTION OF MATTER

PRELIMINARY AMENDMENTHon. Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Please amend this Application as follows:-

Page 36, line 1, replace "CLAIMS" by --We claim:--IN THE CLAIMS:-

Cancel claims 1 through 65

Add new claims 66 through 124 as follows:-

66. Apparatus for automatically inspecting matter, comprising emitting means serving to emit a detection medium, which comprises electromagnetic radiation, to be active at said matter, receiving means in the form of a rotary polygonal mirror arranged to receive from a multiplicity of detection zones at said matter detection medium which has been varied by variations in said matter, a plurality of detecting means serving to receive the varied medium by reflection from the mirror, to detect respective wavelengths of said varied medium substantially simultaneously, and to generate detection data in respect of said wavelengths substantially simultaneously and in dependence upon the variations in said medium, and data-obtaining means connected to said detecting means and serving to obtain said detection data therefrom, the arrangement being such that the beams of the varied medium which are received at said detecting means and emanate from the respective detection zones travel along respective paths from said matter to said mirror which paths converge continuously with respect to each other from said matter